## GROVE CITY, OHIO DEVELOPMENT PLAN AMENDMENT FOR:

# McDONALD'S RESTAURANT REMODEL

2596 LONDON GROVEPORT ROAD AUGUST 2016

ASPHALT PAVING TYPICAL SECTION

-2-1/2" (MIN) A. C. LEVELING COURSE 8" (MIN) COMPACTED GRANULAR BASE MATERIAL

NOTE: McDONALD'S ENGINEER RESERVES THE RIGHT TO REQUEST A COMPACTION TEST AND/OR A CORE SAMPLE. IF TESTS PROVE CORRECT, PER ABOVE SPECIFICATION, TESTS WILL BE AT THE EXPENSE OF McDONALD'S.

#### CONCRETE PAVEMENT TYPICAL SECTION

A SHARE THE RESERVE HER BUILDING -8" THICK (ODOT 452) P.C.C. PAVEMENT

W/ W.W.F. 6"x 6"-W2.9 x W2.9

NOTES: CONTROL JOINTS 12'-0" O.C. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN

#### GENERAL NOTES

THE CITY OF GROVE CITY, THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, THE OHIO ENVIRONMENTAL PROTECTION AGENCY, AND AMERICAN WATER WORKS ASSOCIATION STANDARDS AND SPECIFICATIONS SHALL GOVERN ALL MATERIAL AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN IN THESE PLANS.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTOR(S) TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THIS WORK.

THE DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR THE MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION NOT SPECIFIED HEREIN, NOR FOR SAFETY ON THE JOB SITE OR THE CONTRACTOR'S FAILURE TO COMPLETE THE WORK AS SPECIFIED ON THIS PLAN.

ANY MODIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY THE EXTENT OF THE WORK TO BE PERFORMED PRIOR TO MAKING HIS BID. THIS IS ESPECIALLY TRUE WITH REGARD TO ANY REMOVAL ITEMS.

THE CONTRACTOR SHALL REPAIR OR REPLACE ANY AND ALL EXISTING WORK DAMAGED DURING OR DUE TO THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION PRIOR TO THE DAMAGE, AT HIS OWN EXPENSE. ALL SAID WORK TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE DEVELOPER'S ENGINEER AND CITY ENGINEER. ANY DAMAGE TO OTHER UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE APPROPRIATE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.

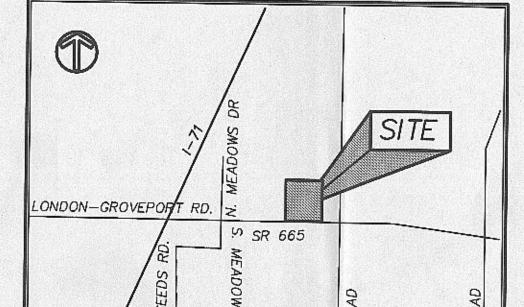
THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.

DIMENSIONS ARE TO FACE OF CURB AND/OR EXTERIOR OF BUILDING UNLESS OTHERWISE NOTED.

ALL SIDEWALKS & HANDICAP RAMPS SHALL BE BUILT TO ADA STANDARDS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING

ALL ROADWAY AND SIDEWALK CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF LOCAL AND/OR STATE GOVERNING

ALL CONSTRUCTION MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL AND/ OR GOVERNING AGENCY REGULATIONS AND SPECIFICATIONS.



LOCATION MAP NOT TO SCALE

CITY OF GROVE CITY APPROVALS:

CITY ADMINISTRATOR, CITY OF GROVE CITY

SERVICE DIRECTOR, CITY OF GROVE CITY

REVIEWED FOR THE CITY OF GROVE CITY

JACKSON TOWNSHIP FIRE DEPARTMENT

"CITY OF GROVE CITY" SIGNATURES ON THIS PLAN SIGNIFY ONLY CONCURRENCE WITH THE PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

DATE

DATE

DATE

DATE

#### DEVELOPER

McDONALD'S USA, LLC 2 EASTON OVAL, SUITE 200 COLUMBUS, OHIO 43219 AREA CONSTRUCTION MANAGER: CHARLES PEPERAK PHONE: 412-631-1506 EMAIL: chuck.peperak@us.mcd.com

#### CIVIL ENGINEER

SITESOURCE CONSULTANTS, INC. 4254 TULLER ROAD DUBLIN, OHIO 43017 PHONE: 614-718-9633 FAX: 614-761-0717 EMAIL: sitesource@ameritech.net

#### PERMIT EXPEDITOR

PERMIT SOLUTIONS, INC. P.O. BOX 307774 COLUMBUS, OHIO 43230 PHONE: 330-524-3113 EMAIL: Iondecker@permitsolutionohio.com

#### SITE SUMMARY

LOT ACREAGE: 1.127 ACRES

PARCEL NUMBER: #040-13860

EXISTING/PROPOSED ZONING: "PUD-C" (PLANNED UNIT DEVELOPMENT-COMMERCIAL)

MINIMUM FRONT SETBACK: 40' MINIMUM SIDE SETBACK: MINIMUM REAR SETBACK:

MAXIMUM BUILDING HEIGHT: 35'

MAXIMUM BUILDING COVERAGE: 75%

EXISTING/PROPOSED USE: FAST FOOD RESTAURANT WITH DRIVE THRU

BOUNDARY AND TOPOGRAPHIC INFORMATION ARE BASED ON THE FIELD SURVEY PERFORMED BY SITE ENGINEERING, INC. DATED JUNE 2016

PROPOSED BUILDING: 5,016.5 S.F. (GROSS)

PROPOSED BUILDING HEIGHT: 19'-3" (T/ROOF CAP ELEMENT)

#### PARKING REQUIREMENTS

ONE (1) FOR EACH 50 S.F. OF GROSS FLOOR AREA (EXCLUDING KITCHEN AREA)

BUILDING GROSS FLOOR AREA - 1.992 S.F.

(1,992/50 =39.8) - 40 SPACES REQUIRED

TOTAL OF PARKING SPACES PROVIDED - 46 SPACES (INCLUDES 2 ACCESSIBLE SPACES)

#### AREA CALCULATIONS

TOTAL LOT SIZE -49,093 S.F. (100%)

TOTAL IMPERVIOUS AREA - 37,541.43 S.F. (76.5%)

TOTAL LANDSCAPE AREA - 11,551.57 S.F. (23.5%)

#### BENCH MARKS NAVD 88 DATUM

SOURCE BENCH MARK, ELEVATION OBTAINED USING TRIMBLE RTK GPS EQUIPMENT AND OHIO DEPARTMENT OF TRANSPORTATION CORS/VRS NETWORK, NAVD 1988.

BENCH MARK #1 ~CENTER, TOP OF CASTING ON STORM CATCH BASIN IN THE NORTHEAST CORNER OF MCDONALD'S PARKING LOT.

BENCH MARK #2 ~CENTER, TOP OF CASTING ON STORM CATCH BASIN IN THE SOUTHEAST CORNER OF MCDONALD'S PARKING LOT.

BENCH MARK #3 ~CENTER, TOP OF CASTING ON STORM CATCH BASIN IN THE SOUTHWEST CORNER OF MCDONALD'S PARKING LOT.

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GRADING & DRAINAGE PLAN

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SITE DETAILS SD-2 SITE DETAILS

TOPOGRAPHIC SURVEY

COVER SHEET

SHEET: CV

JOB NO. SS016-518

DATE: AUGUST 2016

L/C # 34-1529

Call Before You Dig 1-800-362-2764 (NON MEMBERS MUST BE CALLED DIRECTLY)





#### **GENERAL NOTES**

A PAYMENT SHALL BE MADE TO THE CITY BY THE DEVELOPER FOR CONTRACT WORK PERFORMED BY THE CITY, NOT A DEDUCT.

SPECIFICATIONS: THE CURRENT CITY OF COLUMBUS AND OHIO DEPARTMENT OF TRANSPORTATION (ODOT) "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMSC AND ODOT CMS RESPECTIVELY), TOGETHER WITH THE REQUIREMENTS OF THE CITY OF GROVE CITY, OHIO, INCLUDING ALL SUPPLEMENTS THERETO, IN FORCE ON DATE OF CONTRACT SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS EXCEPT AS SUCH SPECIFICATIONS ARE MODIFIED BY THE FOLLOWING SPECIFICATION, OR BY THE CONSTRUCTION DETAILS SET FORTH HEREIN. IN CASE OF ANY CONFLICT AMONG THESE IDENTIFIED TECHNICAL SPECIFICATIONS, THE GREATER REQUIREMENT SHALL TAKE PRECEDENCE (AS DIRECTED BY THE SOLE DISCRETION OF THE CITY ENGINEER) UNLESS DIRECTED OTHERWISE BY THE CITY ENGINEER.

GENERAL PROVISIONS OF THE ODOT AND THE CITY OF COLUMBUS CMS AS MODIFIED HEREIN SHALL NOT APPLY. THIS EXCLUSION INCLUDES BUT IS NOT NECESSARILY LIMITED TO DIVISION 100 OF THE ODOT AND CITY OF COLUMBUS CMS.

ELEVATION DATUM: ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 88 DATUM.

BENCHMARKS: THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, AND STAKES, ANY BENCHMARK, PROPERTY CORNER, OR SURVEY MARKER DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESET BY AN OHIO REGISTERED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

SAFETY REQUIREMENTS: THE CONTRACTOR AND ANY AND ALL SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.

CONFINED SPACE ENTRY: THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FOLLOWING THE OSHA REQUIREMENTS FOR "CONFINED SPACE ENTRY" (CSE), TITLE #29 OF THE FEDERAL REGULATIONS CODE, PART 1910.146, WHILE PERFORMING WORK INSIDE ANY MANHOLE OR OTHER CONFINED SPACE REQUIRING A PERMIT. COPY OF ALL CSE PERMITS SHALL BE GIVEN TO THE CITY UPON PROJECT COMPLETION.

PERMITS: THE CONTRACTOR OR DEVELOPER SHALL SECURE AND PAY FOR ALL PERMITS AND GOVERNMENT FEES, LICENSES, AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE IMPROVEMENTS SHOWN ON THE PLANS.

NOTIFICATION: THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AT LEAST 48 HOURS IN ADVANCE (HOLIDAYS AND WEEKENDS EXCLUDED) OF THE ANTICIPATED START OF WORK REQUIRING INSPECTION, TESTING, OR APPROVAL BY THE CITY ENGINEER, WORK SHALL NOT COMMENCE UNTIL A PRE-CONSTRUCTION CONFERENCE IS HELD.

THE CONTRACTOR SHALL NOTIFY ALL ADJACENT LANDOWNERS A MINIMUM OF ONE WEEK IN ADVANCE OF WORK NEAR THEIR PROPERTY. THE CONTRACTOR SHALL COORDINATE WITH THE CITY FOR A SUGGESTED FORMAT FOR THE NOTICE.

INSPECTION: THE CITY OF GROVE CITY WILL PROVIDE ALL CONSTRUCTION INSPECTION FOR THIS PROJECT. NO WORK SHALL BE COMMENCED UNTIL ARRANGEMENTS HAVE BEEN MADE WITH THE CITY ENGINEER AND SERVICE DIRECTOR FOR INSPECTION SERVICES.

WORK HOURS: GENERAL WORK HOURS ON THIS PROJECT SHALL BE AS DESCRIBED IN SECTION 105,06 AND 105.07 OF THE CMSC, WITH THE EXCEPTION BEING LINING OPERATIONS.

UTILITIES: THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY AS REQUIRED BY SECTION 153.64 OR SECTION 3781.27 OF THE OHIO REVISED CODE. THE CITY OF GROVE CITY AND THE ENGINEER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF LOCATIONS OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND THE CITY.

THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT (1-800-362-2764) AT LEAST 48 HOURS, AND NO MORE THAN 10 DAYS PRIOR TO EXCAVATING. WITH SUCH TIME PERIODS NOT INCLUDING WEEKENDS OR HOLIDAYS. CONTRACTOR SHALL SIMILARLY CONTACT ALL UTILITY OWNERS WHO ARE NOT SUBSCRIBERS TO OUPS.

THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND THE OWNERS DO NOT SUBSCRIBE TO A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE.

WATER, SANITARY, AND STORM SEWER FACILITIES 4035 BROADWAY GROVE CITY, OHIO 43123

614-450-2085

THE CITY OF GROVE CITY IS NOT A MEMBER OF THE OHIO UTILITIES PROTECTION SERVICE. BEFORE YOU EXCAVATE, FAX THE CITY OF GROVE CITY SERVICE DEPARTMENT, 614-277-1112 WITH YOUR MARKING REQUEST.

THE FOLLOWING ADDITIONAL UTILITIES ARE KNOWN OR CAN BE EXPECTED TO BE LOCATED WITHIN THE LIMITS OF THE PROJECT (R/W OF DISCOVERY DRIVE).

UTILITY	
ELECTRIC	

GAS

AMERICAN ELECTRIC POWER 1-800-277-2177 850 TECH CENTER DRIVE

GAHANNA, OHIO 43230-2177 COLUMBIA GAS OF OHIO

920 W. GOODALE BLVD. COLUMBUS, OHIO 43212 MR. DOUG WILLAMAN

THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL PROCEED WITH THE WORK AND PROTECT ALL UNDERGROUND UTILITIES IN A MANNER AT LEAST AS CAUTIOUS AND PROTECTIVE OF SAFETY AND UNDERGROUND UTILITIES AS THOSE METHODS IDENTIFIED IN SECTIONS 3781.25 THROUGH 3781.30 OF THE OHIO REVISED CODE.

ALL PRIVATE UTILITY RELOCATION (GAS, ELECTRIC, PHONE, ETC.) WILL BE THE RESPONSIBILITY OF THE UTILITY OWNERS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR PROTECTION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY.

EXPOSE EXISTING UTILITY: WHERE POTENTIAL GRADE AND ALIGNMENT CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, OR AS SPECIFICALLY CALLED OUT ON THE PLANS (THESE LOCATIONS ARE NOTED THUS: EXPOSED), THE CONTRACTOR SHALL EXPOSE UTILITIES OR STRUCTURE SUFFICIENTLY IN ADVANCE OF LAYING PIPE FOR THE ENGINEER TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. ANY DISCREPANCY TO THE PLANS SHALL BE COORDINATED WITH THE CITY ENGINEER TO ENSURE THAT THERE ARE NO CONSTRUCTION OR CONFLICT ISSUES ASSOCIATED WITH DISCREPANCY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PROPOSED SEWER IF A SPECIFIC BID ITEM IS NOT PROVIDED IN THE ESTIMATE OF QUANTITIES.

CONFLICTS: IN ALL CONFLICTS IN GRADE BETWEEN THE WATER MAINS AND GRAVITY SEWERS. THE WATER MAIN SHALL BE LOWERED DURING CONSTRUCTION.

SITE VISIT: THE CONTRACTOR SHALL PERFORM FIELD RECONNAISSANCE TO BECOME ACQUAINTED WITH THE EXISTING SITE CONDITIONS AND THE POTENTIAL EFFECTS UPON THE SCOPE OF WORK.

MISCELLANEOUS WORK: THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, SERVICES, AND RELATED ACCESSORIES FOR A COMPLETE PROJECT, AS SHOWN AND DESCRIBED IN THE PLANS AND SPECIFICATIONS. THE PRICE FOR ITEMS OF WORK OR MATERIALS SHOWN ON THE PLANS OR PROVIDED FOR IN THE SPECIFICATIONS OR SPECIAL PROVISIONS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED , SHALL BE PERFORMED BY THE CONTRACTOR AND THE COSTS INCLUDED AMONG THE VARIOUS BID ITEMS, SUBMISSION OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE BIDDER IS SATISFIED WITH THE PLANS AND CONDITIONS, AS SHOWN, NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS, OR SPECIAL PROVISIONS.

RIGHT-OF-WAY: IN ADDITION TO THE DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF THE RIGHT-OF-WAY FOR DISCOVERY DRIVE. THE COST OF THE OPERATIONS NECESSARY TO FULFILL SUCH REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT UNLESS SPECIFIC PROVISION IS MADE IN THE CONTRACT SPECIFICATIONS FOR SUCH COST UNDER SPECIFIC ITEMS OF THE CONTRACT.

EASEMENTS: APPROVAL OF THIS PLAN IS CONTINGENT ON ALL EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE WORK BEING SECURED AND SUBMITTED TO THE CITY OF GROVE CITY FOR RECORDING PRIOR TO COMMENCEMENT OF THE WORK, AND NO WORK WHICH REQUIRES AN EASEMENT WILL BE ALLOWED TO PROCEED UNTIL THIS HAS BEEN DONE.

WORK LIMITS: THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING ALL PERFORMED WORK AND ALL EQUIPMENT, MATERIALS, VEHICLES, ETC., USED TO COMPLETE THE WORK ON THE PROJECT SITE AND WITHIN THE RIGHT-OF-WAY OF DISCOVERY DRIVE AS SHOWN ON THESE

THE CONTRACTOR IS RESPONSIBLE FOR COST OF RESTORATION FOR ANY AREA OUTSIDE OF THE RIGHT-OF-WAY OR PERMANENT EASEMENT TO FORMER CONDITION AND TO THE SATISFACTION OF THE PROPERTY OWNER.

CONTRACT WORK PERFORMED BY THE CITY: IN THE EVENT THAT IT BECOMES NECESSARY FOR THE CITY TO PERFORM WORK OF AN IMMEDIATE NATURE (SUCH AS THE PLACEMENT OF BARRICADES OR REPLACEMENT OF SIGNS OR OTHER WARNING OR PROTECTIVE DEVICES) REQUIRED OF THE CONTRACTOR BY THIS CONTRACT BECAUSE OF FAILURE OR REFUSAL OF THE CONTRACTOR TO PERFORM SUCH WORK, THE CONTRACTOR SHALL REIMBURSE THE CITY AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. THE CITY SHALL BE REIMBURSED BY THE CONTRACTOR BY THE WAY OF A DEDUCTION FROM THE CONTRACTOR'S NET PAYMENT UNDER THE CONTRACTOR.

CONVENIENCE FACILITIES: THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKMEN AND INSPECTORS FOR THE DURATION OF THE WORK. COST SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

NON-RUBBER TIRED VEHICLES: NO NON-RUBBER TIRED VEHICLES SHALL BE MOVED ON CITY STREETS. EXCEPTIONS MAY BE GRANTED BY THE CITY OF GROVE CITY WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING, AND ANY DAMAGE MUST BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF GROVE CITY.

SIGNS, MAILBOXES, FENCES, ETC.: THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL SIGNS, MAILBOXES, FENCES, GUARDRAILS, SHRUBS, PROPERTY, DRAINAGE STRUCTURES, OR OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING CONSTRUCTION WHETHER SHOWN ON THE PLANS OR NOT TO THEIR ORIGINAL LOCATION AND CONDITION AND TO THE SATISFACTION OF THE PROPERTY OWNER. COST TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

STANDARD TOPSOIL, SEEDING, FERTILIZER, AND MULCHING: ALL TOPSOIL SHALL BE OF THE HIGHEST QUALITY AND FREE OF ALL STONES, TRASH AND OTHER DELETERIOUS MATERIALS GREATER THAN 1/4". ORGANIC CONTENT SHALL BE TESTED BY AN APPROVED LAB AND CERTIFIED TO BE BETWEEN 10-20% BY WEIGHT, AND ALL TOPSOIL SHALL BE SATURATED WITH WATER AND ALLOWED TO SETTLE PRIOR TO SEEDING. SETTLED AREAS SHALL BE REFILLED AND SATURATED AGAIN PRIOR TO SEEDING. THE GRADES SHALL MATCH ALL EXISTING LANDSCAPE AND ANY IMPROVEMENTS COMPLETED UNDER THIS PLAN. THE CONTRACTOR SHALL SCARIFY THE SOIL SURFACE TO OPEN THE SOIL PRIOR TO SEEDING, ALL SEEDING, FERTILIZE, AND MULCH SHALL BE PLACED WITHIN 5 WORKING DAYS OF PLACING TOPSOIL. THE SEEDING AND FERTILIZER MIXES SHALL BE AS SPECIFIED BY THE CITY AND SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. THE STARTER-FERTILIZER MIX SHALL CONTAIN A MINIMUM OF 3% SIDURON, TO PREVENT WEED ESTABLISHMENT. NO WEEDS OR UNDESIRABLE GRASSES WILL BE ACCEPTED IN THE FINAL INSPECTION. IF THE INITIAL SEEDING IS NOT 95% ESTABLISHED BY SEPTEMBER 15TH, THE CONTRACTOR SHALL RE-SEED. FERTILIZE AND MULCH THE BARE AREAS PRIOR TO OCTOBER 1ST.

DEWATERING: THE CONTRACTOR IS SOLELY RESPONSIBLE TO THE OHIO DEPARTMENT OF NATURAL RESOURCES (O.D.N.R.) FOR REGISTRY, MAINTENANCE, AND ABANDONMENT OF ANY WITHDRAWAL DEVICES USED IN THE CONSTRUCTION OF THIS PROJECT.

INSTALLATION OF ANY WELL, WELL POINT, PIT OR OTHER DEVICE USED FOR THE PURPOSE OF LOWERING THE GROUNDWATER LEVEL TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN THE PROVISIONS OF SECTION 3745-9-10 OF THE OHIO ADMINISTRATIVE CODE OR AS DIRECTED BY THE DIRECTOR OR HIS REPRESENTATIVES.

THE CONTRACTOR SHALL BE REQUIRED TO COMPLETE AND FILE A WELL LOG AND A DRILLING REPORT FORM WITH O.D.N.R., DIVISION OF WATER, WITHIN 30 DAYS OF THE COMPLETION OF INSTALLATION OF ANY WELL, WELL POINT, PIT OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUNDWATER FROM AN AQUIFER, IN ACCORDANCE WITH SECTIONS 1521.01 AND 1521.05 OF THE OHIO REVISED CODE. IN ADDITION, ANY SUCH FACILITY THAT HAS A CAPACITY TO WITHDRAW WATERS OF THE STATE IN AN AMOUNT GREATER THAN 100,000 GALLONS PER DAY FROM ALL SOURCES SHALL BE REGISTERED BY THE CONTRACTOR WITH THE CHIEF OF THE O.D.N.R., DIVISION OF WATER, WITHIN THREE MONTHS OF COMPLETION OF THE FACILITY IN ACCORDANCE WITH SECTION 1521.16 OF THE OHIO REVISED CODE. COPIES OF THE NECESSARY PAPERWORK CAN BE OBTAINED AT O.D.N.R., DIVISION OF WATER, FOUNTAIN SQUARE, COLUMBUS, OHIO 43224-1387 (614) 265-6717.

THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY, ADEQUATE TO DEWATER THE TRENCH, SHOULD WATER BE ENCOUNTERED. THE TRENCH SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BEDDING AND THE LYING AND JOINING OF PIPE IS MADE ON FIRM, DRY GROUND. IF DEWATERING CANNOT PRODUCE ACCEPTABLE SUBGRADE, AND ONLY AS DIRECTED BY THE ENGINEER, UNSUITABLE MATERIALS SHALL BE REMOVED AND REPLACED BY CMSC ITEM 906, STONE FOUNDATION.

THE CONTRACTOR SHALL CONVEY ALL TRENCH WATER TO A NATURAL DRAINAGE CHANNEL OR STORM SEWER WITHOUT DAMAGE TO PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE AND MAINTAIN THE NECESSARY SEDIMENT CONTROL MEASURES TO FILTER THE DEWATERING DISCHARGE. COST FOR THE ABOVE SHALL BE INCLUDED IN THE BID PRICE FOR THE SANITARY SEWER IMPROVEMENTS.

THE COST OF ANY DEWATERING OPERATIONS REQUIRED FOR THE CONSTRUCTION OF THE SANITARY SEWER SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS SEWER ITEMS.

REPLACEMENT OF DRAIN TILES AND STORM SEWERS: ALL DRAIN TILE AND STORM SEWERS DAMAGED, DISTURBED, OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. REPLACED DRAIN TILE SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATION. COST OF THIS WORK TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS

MAINTAIN DRAINAGE: THE FLOW IN ALL SEWERS, DRAINS, AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN COST AND EXPENSE, UNLESS SPECIFIC PROVISION IS MADE WITHIN THE CONTRACT DOCUMENTS FOR THE MEASURE OF AND PAYMENT FOR SUCH COST SPECIFIC ITEMS, TO A CONDITION SATISFACTORY TO THE ENGINEER.

INLET PROTECTION: THE CONTRACTOR IS RESPONSIBLE TO KEEP ALL STORM SEWER INLETS PROTECTED FROM EXCESSIVE AMOUNTS OF SEDIMENTS USING ADEQUATE FILTERING DEVICES AS APPROVED BY THE CITY.

EROSION AND SEDIMENTATION CONTROL: THE CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL POINTS WHERE STORM RUNOFF LEAVES THE PROJECT INCLUDING WATERWAYS. OVERLAND SHEET FLOW, AND STORM SEWERS. EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED AS PER THE REQUIREMENTS OF THE CITY OF GROVE CITY AND THE STANDARDS AND SPECIFICATIONS OF THE "RAINWATER AND LAND DEVELOPMENT" MANUAL OF THE ODNR.

EROSION CONTROL MEASURES ARE TO BE INSTALLED PER NPDES PERMIT REGULATIONS OR AS DIRECTED BY THE CITY ENGINEER, AND ARE TO BE MAINTAINED UNTIL SUCH TIME THAT THEY ARE NO LONGER REQUIRED BY THE PERMIT AND THE CITY ENGINEER. COST FOR EROSION AND SEDIMENTATION CONTROL SHALL BE INCLUDED IN THE PRICE BID FOR CMSC

ALL LAND DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF GROVE CITY AND/OR THE OHIO EPA. FAILURE TO COMPLY WITH THESE REGULATIONS IS SUBJECT TO LEGAL ENFORCEMENT ACTION.

THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE CITY IF GROVE CITY 48 HOURS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF TWO OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENTATION CONTROL PRACTICES ARE MANDATED BY REGULATIONS TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY.

SOIL STOCKPILES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STOCKPILES, INCLUDING TRENCH EXCAVATING STOCKPILES, PROTECTED FROM EROSION. THE AREAS SURROUNDING THE STOCKPILES ARE TO BE PROTECTED FROM EROSION. THE AREAS SURROUNDING THE STOCKPILES ARE TO BE PROTECTED FROM SEDIMENT WITH THE USE OF PERIMETER CONTROL DEVICES SUCH AS EARTH OR STRAW BALE DEVICES OR SILT FENCES. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE

DISPOSAL OF EXCESS EXCAVATION: UNLESS SPECIFICALLY STATED OTHERWISE ON THE PLANS, THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL THAT IS NOT BEING USED AS FILL AT AN OFFSITE LOCATION. THE CONTRACTOR SHALL PROVIDE A COPY OF THE SIGNED, WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND THE OFFSITE LANDOWNER BEFORE SUCH DISPOSAL OCCURS. THE AGREEMENT SHALL CLEARLY STATE THE PURPOSE OF THE AGREEMENT AND INDICATE THE LANDOWNER'S PERMISSION FOR SUCH USE. THE COST FOR DISPOSAL OF EXCAVATED MATERIALS SHALL BE INCLUDED IN THE CONTRACTOR'S BID FOR THE VARIOUS ITEMS OF WORK.

CONSTRUCTION DEBRIS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS, MUD OR DIRT TRACKED OR SPILLED ON CITY AND/OR PUBLIC STREETS OR PRIVATE DRIVES WHETHER INSIDE OR OUTSIDE THE PROJECT AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF ANY SERVICES CONTRACTED AND/OR COMPLETED BY THE CITY OF GROVE CITY IN THE CLEANUP OF ANY TRACKING OR SPILLAGE ANYTIME DURING PROJECT CONSTRUCTION. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO PERFORM WEEKLY STREET CLEANING IF EXCESSIVE AMOUNTS OF DIRT AND MUD ARE LEFT ALONG THE STREET. THIS MAY INCLUDE REMOVAL BY SWEEPING, POWER CLEANING, OR MANUAL METHODS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS, UNLESS OTHERWISE SPECIFIED.

CLEANUP: ALL DEBRIS, RUBBLE, UNUSABLE MATERIALS, AND ITEMS NOT SALVAGED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF PROPERLY.

MAINTENANCE OF TRAFFIC NOTES: ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS (CURRENT EDITION), COPIES OF WHICH ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPIRATION, BUREAU OF TRAFFIC, 1980 WEST BROAD ST. COLUMBUS, OHIO 43223.

STEADY-BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES , DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. CONES ARE NOT APPROVED FOR USE

ALL TRENCHES WITHIN THE RIGHT-OF WAY SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA SHALL BE MAINTAINED AT ALL TIMES.

POLICE OFFICERS ARE NOT NEEDED, UNLESS A HAZARD DEVELOPS, FOR TWO-WAY, ONE-LANE TRAFFIC MAINTAINED DURING CONSTRUCTION OPERATIONS ON ALL ROADWAYS WITHIN THE PROJECT AREA. IF A HAZARD DEVELOPS, AN OFF-DUTY OFFICER MAY BE ASSIGNED BY THE CITY TO THE PROJECT AT THE CONTRACTOR'S EXPENSE.

ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS SHALL BE MAINTAINED THROUGH THIS PROJECT BY THE CONTRACTOR. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY RELOCATED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, AND IMPROPERLY PLACED SIGNS.

ANY WORK DONE BY THE CITY, INCLUDING INSTALLATION, ELOCUTIONS, REMOVAL AND/OR REPLACEMENT OR PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF THE NEGLIGENCE OF THE CONTRACTOR SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

CONCRETE PIPE AND STRUCTURE INSPECTION:ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. ALL CONCRETE PIPE, STORM, AND SANITARY SEWER STRUCTURES WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE, STORM, AND SANITARY STRUCTURES HAVE BEEN INSPECTED BY THE CITY OF COLUMBUS AND MEETS THEIR SPECIFICATIONS. INSTALLATION OF PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED.

PIPE MATERIAL: ALL SEWER PIPE ON THIS PROJECT SHALL BE IN ACCORDANCE WITH SECTION 901 OF THE CMSC. THE FOLLOWING COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATION (CMSC) PIPE MATERIALS WILL BE PERMITTED FOR USE FOR PUBLIC SEWERS:

STORM SEWER PIPE

OUTSIDE OF R/W LIMITS
FLEXIBLE PIPE WILL BE ALLOWED <= 15" DIAMETER (PVC PIPE 720.01) THAT HAVE A MINIMUM OF 4' COVERAGE AND A MAXIMUM OF 20' COVERAGE RIGID PIPE WILL BE REQUIRED FOR ALL SEWERS GREATER THAN 15" (REINFORCED CONCRETE PIPE 706.02. CONCRETE BOX 706.05) OR FOR ALL PIPE THAT WILL HAVE LESS THAN 4' COVERAGE OR GREATER THAN 20' COVERAGE.

RIGID PIPE WILL BE REQUIRED FOR ALL SEWERS (REINFORCED CONCRETE PIPE 706.02.

FLEXIBLE PIPE WILL BE ALLOWED FOR 4" AND 6" DRAIN TILES WITHIN THE RIGHT-OF-WAY.

TRENCH BACKFILL: TRENCHES WITHIN A 1:1 INFLUENCE OF THE ROADWAY AND/OR PAVEMENT, INCLUDING ALL POINTS TO WITHIN 3' BEHIND THE CURB. ARE TO BE FILLED WITH TYPE A BACKFILL, TRENCHES WITHIN THE RIGHT-OF-WAY BUT OUTSIDE THE ROAD INFLUENCE SHALL BE FILLED AND COMPACTED AS PER TYPE B BACKFILL. ALL OTHER TRENCHES CAN BE FILLED AND COMPACTED AS PER TYPE C BACKFILL.

ALL ITEM NUMBERS SHOWN BELOW REFER TO CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC) ITEM NUMBERS.

TYPE A BACKFILL SHALL BE GRANULAR MATERIAL, CONFORMING TO 703.01 NO. 4 COARSE AGGREGATE OR ITEM 304, AS DIRECTED BY THE ENGINEER COMPACTED AS STIPULATED IN ITEM 912.03 IN ALL CASES GRANULAR MATERIAL SHALL BE USED AROUND ALL MANHOLES. STRUCTURES AND CLEANOUTS.

TYPE B BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN TWO INCHES ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH OR FROZEN MATERIAL, COMPACTED TO 95% OF ITS MAXIMUM LABORATORY DRY WEIGHT, PLACED PER SECTION 901.17.

TYPE C BACKFILL SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN SIX INCHES ACROSS THEIR GREATEST DIMENSION, VEGETATION, DEBRIS, RUBBISH OR FROZEN MATERIAL COMPACTED TO 90% OF ITS MAXIMUM LABORATORY DRY WEIGHT. WHEN APPROVED BY THE ENGINEER, ROCKS NO LARGER THAN ONE CUBIC FOOT MAY BE DEPOSITED AT LEAST THREE FEET ABOVE THE TOP OF THE SEWER.

AGGREGATE FOR BEDDING IS NO. 57 OR NO. 8 AS PER ITEM 703.

THE EXCAVATED TRENCH WIDTH TWELVE INCHES (12") ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION.

TRENCHES: ALL TRENCHES SHALL BE MAINTAINED AS SAFE AS POSSIBLE BY THE CONTRACTOR AT ALL TIMES AND BACKFILLED AS SOON AS PRACTICAL. ALL TRENCHES DURING NON-WORKING HOURS REQUIRE TRAFFIC PLATES, AND/OR LIGHTED BARRICADES AND CONSTRUCTION FENCE.

TRENCH DAMS: ALL SANITARY SEWERS REQUIRE TRENCH DAMS BETWEEN MANHOLES AND ON SERVICE LATERALS, AT THE PROPERTY LINE, MADE OF BENTONITE OR OTHER APPROVED IMPERMEABLE CLAY, TRENCH DAMS SHALL BE CONSTRUCTED ON ALL SANITARY SEWERS IN

WATER MAIN SEPARATION: THE CONTRACTOR SHALL MAINTAIN EIGHTEEN INCHES VERTICAL AND TEN FEET HORIZONTAL SEPARATION BETWEEN ANY WATER MAIN AND SANITARY SEWER.

DEFLECTION TESTING: ALL FLEXIBLE STORM SEWERS ARE SUBJECT TO MANDREL TESTING AND/OR VIDEO INSPECTION AS DIRECTED BY THE CITY ENGINEER. TESTING SHALL BE PERFORMED NO SOONER THAN 30 DAYS AFTER THE PIPE TRENCH HAS BEEN BACKFILLED AND ALL ROADWAY AND SITE FILLS OVER STORM SEWERS CONSTRUCTED. THE TESTING SHALL BE COMPLETED IN CONFORMANCE WITH THE REQUIREMENTS OF CMSC ITEM 901.21. MAXIMUM DEFLECTION SHALL NOT EXCEED 5% OF THE BASE INSIDE DIAMETER. COST OF THE TESTING SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

GRADE CHECKS: THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHEN EVER SEWER LINE STRUCTURES OR PIPE ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR THE USE OF AND ASSIST THE CITY INSPECTOR IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO A TIME CONVENIENT TO THE CONTRACTOR.

THESE CHECKS WILL BE PERFORMED TO ENSURE THE FOLLOWING: A. PROPER PLACEMENT OF EACH STRUCTURE. PROPER INSTALLATION OF INITIAL RUNS OF PIPE FROM A STRUCTURE. GRADE, AFTER AN OVERNIGHT OR LONGER SHUTDOWN. GRADE, AT ANY OTHER TIME THE INSPECTOR HAS REASON TO QUESTION GRADE OF E. A GRADE CHECK PERFORMED BY THE CITY INSPECTOR IN NO WAY RELIEVES THE

CONTRACTOR FOR THE ULTIMATE RESPONSIBILITY TO ENSURE TO THE PLAN GRADE.

GRADE CHANGES: IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING SEWER OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN SEWER SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED SEWER, WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED SEWER WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED SEWER, WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

GRADES AND ELEVATIONS SHOWN ON THE PLAN SHALL NOT BE REVISED UNDER ANY CIRCUMSTANCES WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE ENGINEER. INVERT ELEVATIONS SHALL NOT DEVIATE FROM PLAN ELEVATIONS BY MORE THAN 0.05'. FAILING TO MEET THE ABOVE REQUIREMENTS IS CAUSE FOR REJECTION OF THE AFFECTED SECTION OF SEWER.

STRUCTURE ADJUSTMENT: THE CONTRACTOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATION OF ALL PROPOSED MANHOLES. IF PRECAST STRUCTURES ARE UTILIZED, A MINIMUM OF THE TOP 6" AND A MAXIMUM OF 12", SHALL BE FIELD PLACED EITHER WITH GRADE RINGS OR BRICK AND MORTAR TO ALLOW FOR FIELD ADJUSTMENT.

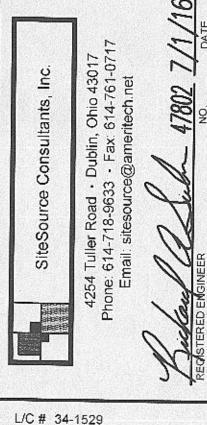
CLEAN WATER CONNECTIONS PROHIBITED: ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED ON THIS

PRUNING: BRANCHES OR GROWTH WHICH INTERFERES WITH THE FREE CONSTRUCTION OF THE PROJECT MAY BE REMOVED FROM TREES/BUSHES THAT ARE TO BE SAVED BY THE USE OF PRUNING TOOLS WITH PRIOR APPROVAL FROM THE CITY'S URBAN FORESTER. ALL PRUNING TOOLS USED AND METHODS EMPLOYED SHALL MEET THE APPROVAL OF THE CITY'S URBAN FORESTER. THE BRANCHES SHALL BE REMOVED WITH A GOOD CLEAN CUT MADE FLUSH WITH THE PARENT TRUCK OR, IF HAVING A GOOD HEALTHY LATERAL BRANCH, THE CUT SHALL BE A GOOD CLEAN SLANTING CUT CLOSE TO AND BEYOND THE HEALTHY BRANCH. ALL PRUNING CUTS SHALL BE PAINTED WITH AN ACCEPTED PRUNING PRESERVATIVE. THE COST OF ALL WORK AND EXPENSES CONNECTED WITH TREE PRUNING SHALL BE INCLUDED IN THE PRICE BID FOR CMSC ITEM 201, CLEARING AND GRUBBING. NO EXTRA PAYMENT SHALL BE MADE.

NOTIFICATION: THE CONTRACTOR MUST PROVIDE PRE-NOTIFICATION OF WORK NO LESS THAN FORTY-EIGHT (48) HOURS PRIOR TO WORK BEING PERFORMED THAT WILL HAVE AN EFFECT ON RESIDENTS AND/OR BUSINESSES. THE PRE-NOTIFICATION MUST BE IN WRITING AND IT MUST INCLUDE: (1) CONTRACTOR NAME AND 24-HOUR PHONE NUMBER; (2) A DESCRIPTION OF WORK BEING PERFORMED; (3) A LIST OF RESTRICTIONS ON THE AFFECTED RESIDENTS AND/OR BUSINESSES; (4) INSTRUCTIONS TO AFFECTED RESIDENTS AND/OR BUSINESSES. THE WRITTEN NOTIFICATION SHALL BE SUBMITTED TO THE CITY FOR APPROVAL AT LEAST SEVEN (7) DAYS PRIOR TO WORK BEGINNING. THE CONTRACTOR SHALL ALSO POST "NO PARKING" SIGNS IN APPROPRIATE AREAS NO LESS THAN 48 HOURS IN ADVANCE OF ANY PARKING RESTRICTION.

AS SET FORTH HEREIN, THE CONTRACTOR SHALL PROVIDE ALL NOTICES REQUIRED UNDER THE CONTRACT DOCUMENTS AND SPECIFICATIONS STRICTLY IN THE MANNER PRESCRIBED HEREIN. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE CITY AND ITS OFFICERS, EMPLOYEES, REPRESENTATIVES, AND AGENTS (HEREIN AFTER COLLECTIVELY REFERRED TO AS THE "CITY") AGAINST ANY AND ALL CLAIMS, ACTIONS, DAMAGES, COSTS, AND LEGAL LIABILITY OF EVERY NAME AND NATURE THAT THE CITY MAY SUSTAIN, INCUR OR BE REQUIRED TO PAY (INCLUDING, BUT NOT LIMITED TO, CONSULTANT AND ATTORNEY'S FEES, DISBURSEMENTS, COSTS OR OTHER EXPENSES) ARISING OUT OF OR IN CONNECTION WITH THE CONTRACTOR'S FAILURE TO STRICTLY COMPLY WITH THE NOTICE PROVISIONS IMPOSED UNDER THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CITY MAY BE REIMBURSED BY THE CONTRACTOR AS NECESSARY TO SATISFY ANY CLAIM FOR INDEMNIFICATION UNDER THIS PROVISION.

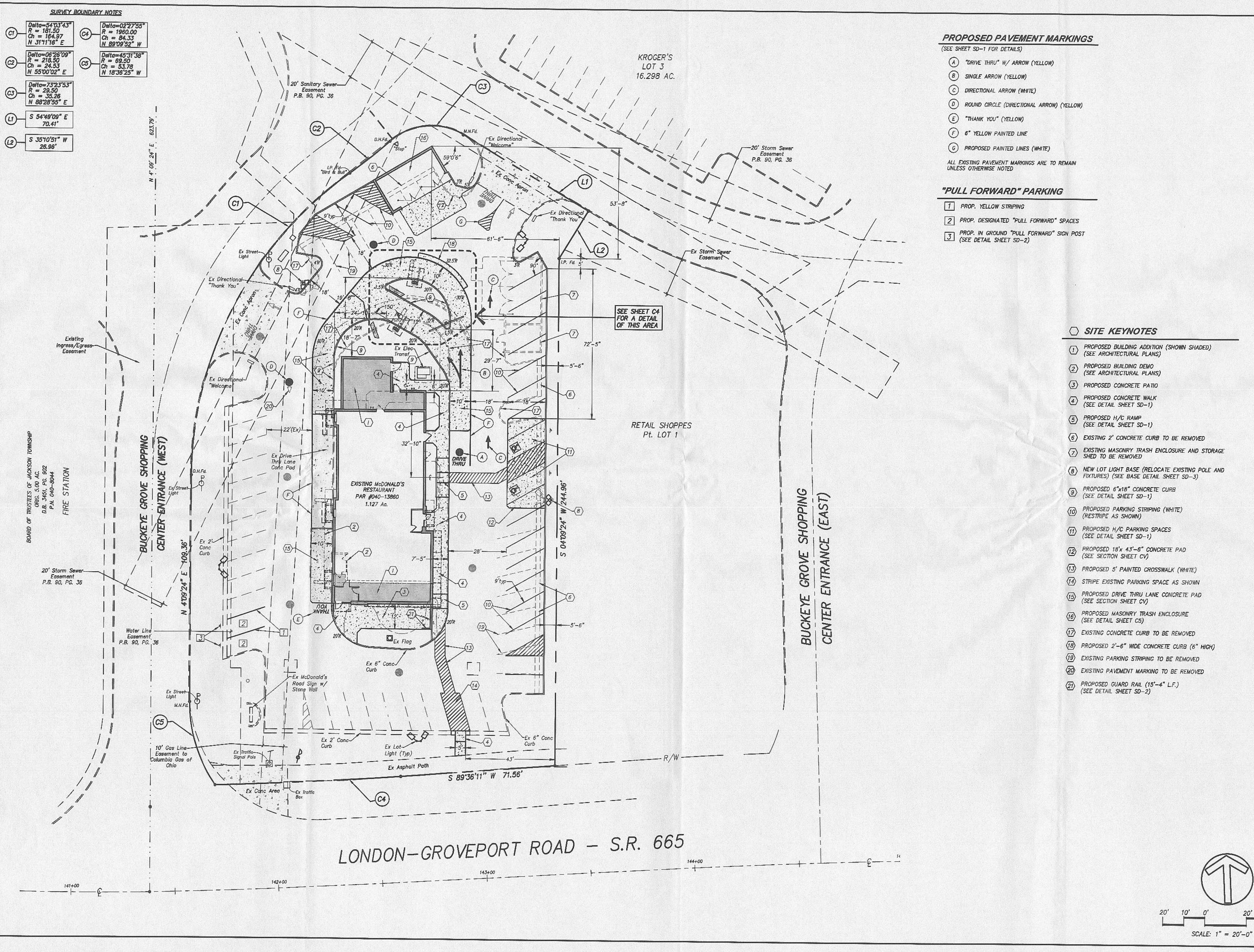




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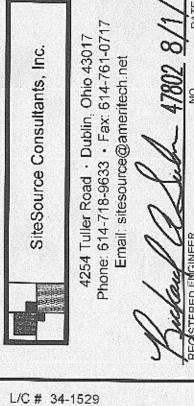
GENERAL NOTES

DATE: AUGUST 2016



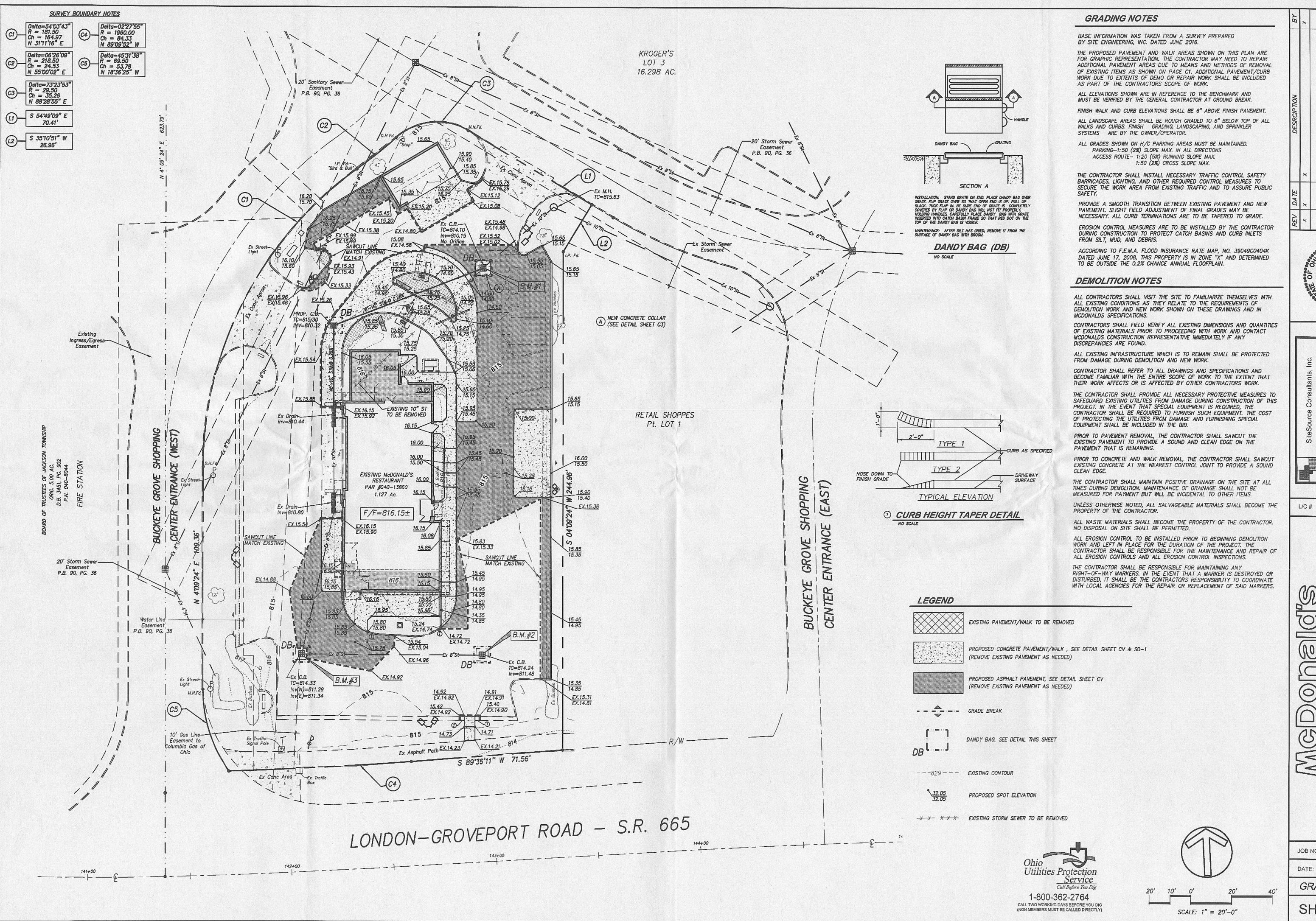
(6) EXISTING 2' CONCRETE CURB TO BE REMOVED





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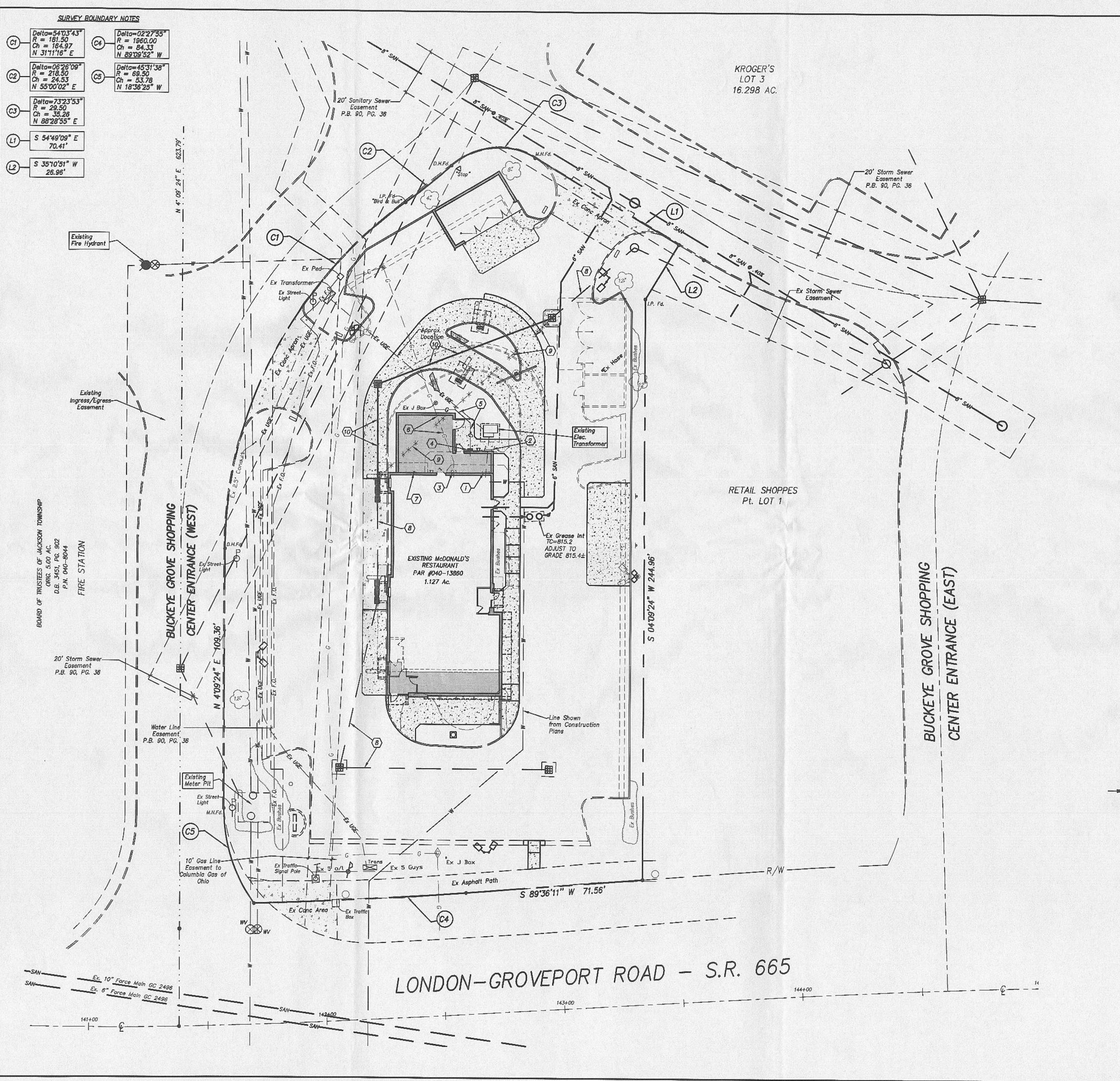
DATE: AUGUST 2016 SITE PLAN



L/C # 34-1529

JOB NO. SS016-518

DATE: AUGUST 2016 GRADING PLAN



#### GENERAL NOTES

THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED THROUGH INFORMATION PROVIDED BY THE VARIOUS UTILITY OWNERS AND BY FIELD SURVEY, BUT ARE NOT GUARANTEED TO BE ACCURATE OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, PRIOR TO CONSTRUCTION, TO DETERMINE THE ACTUAL FIELD LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES IMPACTING HIS WORK. THE CONTRACTOR IS DIRECTED TO CONTACT THE OHIO UTILITIES PROTECTION SERVICE, O.U.P.S., AT 1 (800) 362-2764 AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.

THE LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.

THE CONTRACTOR SHALL CHECK ALL EXISTING CONDITIONS (i.e. INVERTS, UTILITY ROUTINGS, UTILITY CROSSINGS, AND DIMENSIONS) IN THE FIELD PRIOR TO COMMENCEMENT OF UTILITY WORK. REPORT ANY DISCREPANCIES TO THE OWNERS REPRESENTATIVE.

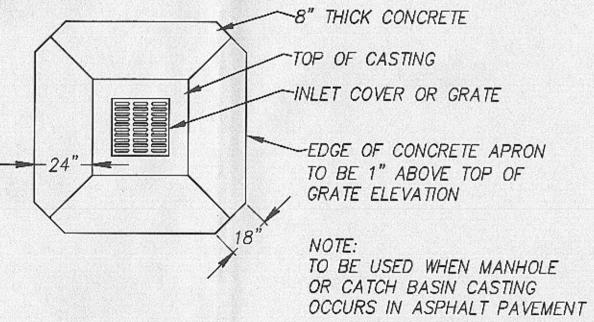
THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, AND SHALL TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTORS EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.

#### SITE KEYNOTES

- (1) EXISTING ELECTRIC METER LOCATION
- 2 PROPOSED ELECTRIC METER LOCATION
- (3) EXISTING GAS METER LOCATION

4 PROPOSED GAS METER LOCATION

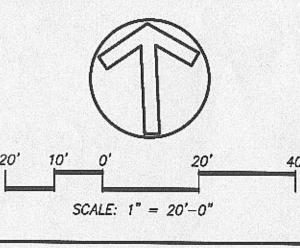
- (5) PROPOSED GAS LINE
- (6) EXISTING GAS LINE TO BE REMOVED
- (7) EXISTING CONDUIT (RELOCATED IF REQUIRED)
- 8 EXISTING STORM SEWER
- EXISTING STORM SEWER TO BE REMOVED
- 10 PROPOSED STORM SEWER

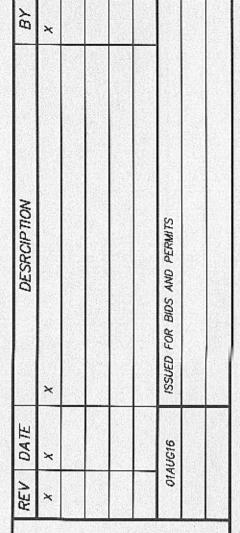


CONCRETE COLLAR SQUARE GRATE & FRAME

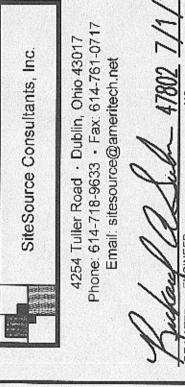
NO SCALE











L/C # 34-1529

OPATION OF ATTOM

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LD'S RESTAURANT REMODEL AT

FPORT ROAD

PROPOSED MCDONALD'S R
2596 LONDON GROVEPORT
GROVE CITY OHIO

JOB NO. \$\$016-518

DATE: AUGUST 2016

#### SIDE-BY-SIDE DRIVE THRU NOTES

#### CURBING

DRIVE-THRU LANES BOUND BY CURB ON BOTH SIDES ARE TO BE 12'-0". LANES BOUND BY CURB ON ONE SIDE AND PAINTED STRIPING ON THE OTHER SIDE ARE TO BE A MIN. OF 10'-0".

THE MIN. RADIUS FOR ALL INSIDE/DRIVER'S SIDE DRIVE-THRU CURBING IS 20'-0" TO INSIDE OF CURB.

PRIMARY LANE CURBING SHOULD BE AS STRAIGHT AS POSSIBLE. (LESS CURVING, THE BETTER).

THE OVERALL LENGTH OF THE CURBED ISLAND SHOULD BE 35'-45'. THE LENGTH OF THE ISLAND FROM THE COD ALLOWS FOR THREE CARS IN THE SECONDARY LANE, TWO IN THE PRIMARY LANE AND ONE AT THE COMMITMENT POINT.

THE ISLAND WIDTH SHOULD BE 13' AT THE WIDEST POINT (FACE OF CURB TO FACE OF CURB).

ENTRANCE LANE ENTERING THE SIDE BY SIDE DRIVE-THRU IS TO BE 14' MIN.

#### PAVEMENT MARKINGS

6" WIDE YELLOW PAINT STRIPE TO SPAN OUTER EDGE OF THE ENTIRE DRIVE-THRU LANE. LANE STARTS AT DRIVE-THRU ENTRANCE WHERE "McDONALD'S GATEWAY" IS LOCATED.

DOUBLE—HEADED ARROW PAVEMENT MARKING. STANDARD STRIPING MARKINGS ARE 7' SHAFT, 7' ARROW STEM AND 3' FOR THE ARROW HEAD. TIP OF ARROW HEAD TO BE LOCATED AT CENTER OF EACH LANE.

MERGE POINT IS LOCATED WHERE TWO VEHICLES LEAVING EACH COD SIMULTANEOUSLY WOULD MEET. THE MERGE POINT STRIPING IS TO BE LOCATED BY OFFSETTING THE INNER PRIMARY LANE BACK OF CURB 9.0' AND OFFSETTING THE OUTER LANE STRIPING 8.0'. AT THE INTERSECTION OF THESE OFFSETS, A 6" YELLOW STRIPE IS TO BE MARKED PERPENDICULAR TO THE OUTER LANE AS WELL AS THE INNER PRIMARY LANE.

#### EQUIPMENT POSITIONING FOR PRIMARY LANE

MIN. 60'(+5'; 60'-65') LINEAR DISTANCE BETWEEN THE CENTER LINE OF THE COD FACE AND THE CENTER LINE OF THE OPEN CASH BOOTH WINDOW AS MEASURED ALONG THE CENTER LINE OF THE LANE. THIS MAY ONLY BE INCREASED IN 20' INCREMENTS (+/- 5' FOR 80', 100' & 120') TO A MAX. OF 120'. 100' IS OPTIMAL.

THE CENTER OF THE PRIMARY MENU BOARD FOUNDATION IS TO BE 10.0' FROM THE CENTER THE COD FOUNDATION.

THE PRIMARY MENU BOARD SHOULD BE AT AN ANGLE BETWEEN 40° AND 50° ANGLE FROM A CAR POSITIONED AT THE COD TO MAXIMIZE SECOND CAR VIEWING.

AUGER "McDONALD'S ORDER HERE CANOPY" COD/CANOPY FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

A SINGLE BOLLARD SHOULD BE POSITIONED AT THE CORNER OF THE BUILDING ON THE DRIVE—THRU SIDE. IT SHOULD BE FLUSH AGAINST THE BUILDING AND FACE OF THE BOLLARD SHOULD BE TIGHT AGAINST THE BACK OF THE CURB.

AUGER "McDONALD'S GATEWAY" FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

THE DISTANCE BETWEEN THE TIP OF THE CURBED ISLAND AND THE CENTER LINE OF THE PRIMARY COD MUST BE 15'-0". THIS MEASUREMENT IS TAKEN PARALLEL TO THE INSIDE CURB FACE OF THE PRIMARY LANE.

THE PRIMARY LANE DETECTOR LOOP SHOULD BE PERPENDICULAR TO THE CENTER OF THE PRIMARY COD.

#### EQUIPMENT POSITIONING FOR SECONDARY LANE

TO POSITION THE SECONDARY COD, DRAW AN ARC WITH A 14' RADIUS THAT IS CENTERED FROM THE MIDPOINT OF THE ISLAND TIP. THEN OFFSET THE FACE OF THE CURB BY 24" TO DETERMINE THE LOCATION OF CENTER OF FOUNDATION OF THE SECONDARY COD.

THE LOOP DETECTOR IS TO BE 2' FORWARD OF THE COD CENTER LINE WITH THE LOOP FACING FORWARD AND THE DETECTOR LOOP PERPENDICULAR TO THE SECONDARY COD WHEN POSSIBLE.

THE CENTER OF THE SECONDARY MENU BOARD FOUNDATION SHOULD BE LOCATED 22" FROM FACE OF CURB AND APPROXIMATELY 6'-0" FROM THE TIP OF THE CURBED ISLAND. THE END CAP OF THE SECONDARY MENU BOARD SHOULD NOT LOCATED OVER THE INNER FACE OF THE CURB. ANGLE SHOULD BE TO MAXIMIZE FIRST CAR VIEWING.

AUGER "McDONALD'S ORDER HERE CANOPY" COD/CANOPY FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

THE SECONDARY MENU SHALL BE PARALLEL TO THE PRIMARY DRIVE THRU LANE.

(OPO MENU BOARD SHOULD BE AT AN ANGLE NO GREATER THAN 30° TO

MAXIMIZE SECOND CAR VIEWING.)

#### DETECTOR LOOP

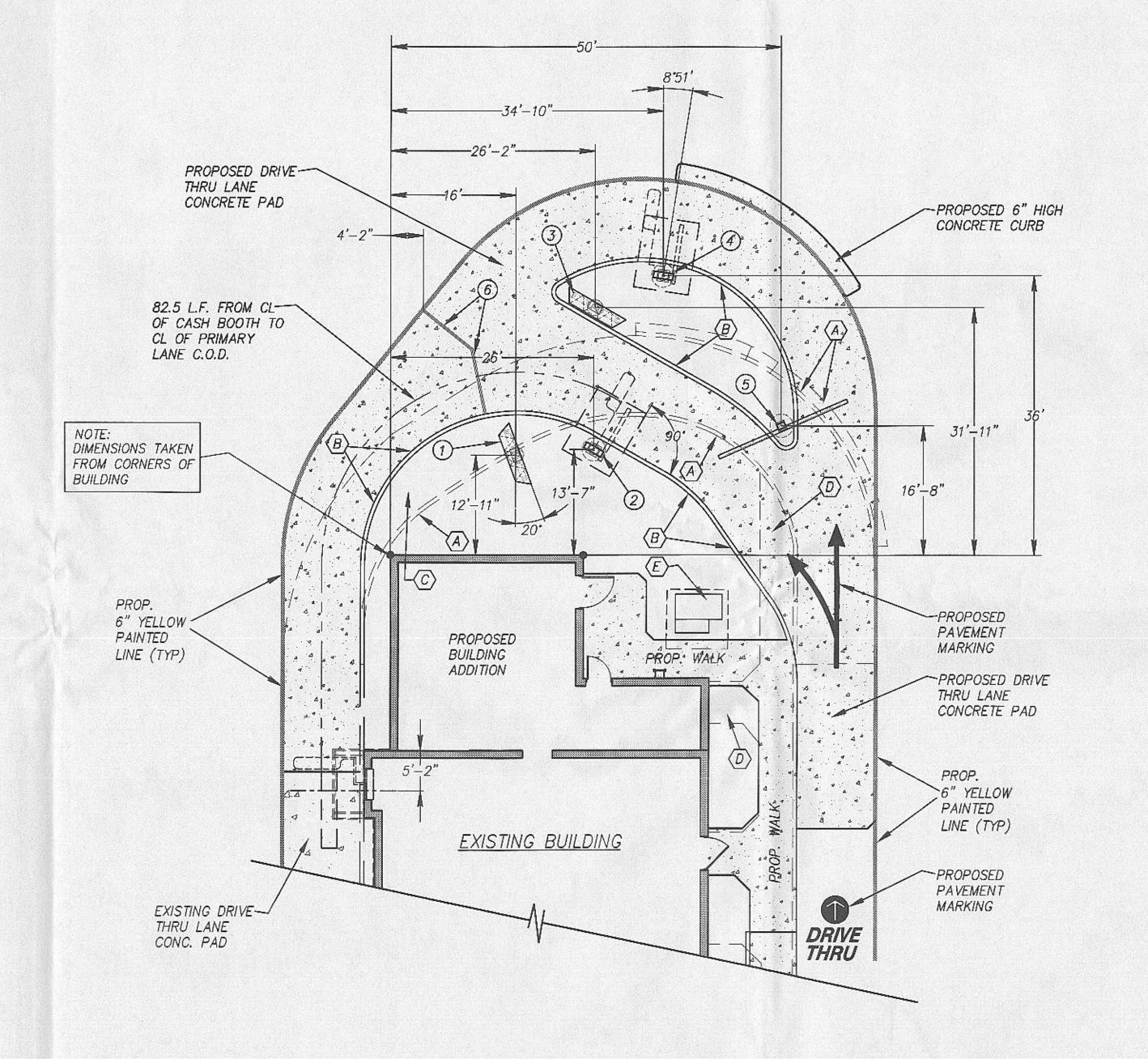
DETECTOR LOOPS SHALL BE LOCATED AT THE CENTER OF THE OPENING WINDOW AT THE CASH AND PRESENT BOOTHS.

#### GENERAL NOTES

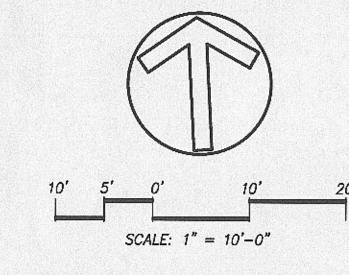
- 1. THE REGIONAL CONSTRUCTION MANAGER IS TO REVIEW AND APPROVE ALL DRIVE—THRU LAYOUTS. A DRIVE—THRU IS FINAL, AND CONSIDERED "RED", ONCE APPROVED. NO CHANGES ARE TO BE MADE AFTER THIS POINT.
- 2. DUE TO THE EXACT GEOMETRY REQUIRED FOR THE EFFICIENT OPERATION OF THIS DRIVE—THRU LAYOUT, IT IS RECOMMENDED THAT ALL DRIVE—THRU EQUIPMENT AND PAVEMENT IMPROVEMENTS TO BE FIELD LOCATED BY A LICENSED SURVEYOR.
- 3. THE PLACEMENT OF THE CODS AND ANY ADDITIONAL EQUIPMENT SHOULD BE SUCH THAT IT PREVENTS, OR MINIMIZES, BLOCKING THE CUSTOMER'S VIEW OF THE MENU BOARD WHILE ORDERING.
- 4. ALL DRIVE THRU EQUIPMENT SUPPLIED BY MCDONALDS APPROVED SUPPLIERS.
- 5. SEE ADDITIONAL SHEETS FOR FOUNDATION DETAILS.
- 6. ALL DIMENSIONS SHOWN ARE TO THE CENTER OF THE FOUNDATION.

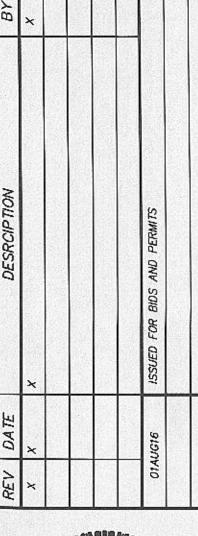
#### KEY NOTES

- 1 PROPOSED OPO MENU BOARD (PRIMARY)
- 2 PROPOSED "ORDER HERE" CANOPY W/
  INTEGRATED CUSTOMER ORDER DISPLAY &
  DETECTOR LOOP (PRIMARY)
- (3) PROPOSED OPO MENU BOARD (SECONDARY)
- (4) PROPOSED "ORDER HERE" CANOPY W/
  INTEGRATED CUSTOMER ORDER DISPLAY
  & DETECTOR LOOP (SECONDARY)
- 5 PROPOSED DOUBLE WELCOME POINT GATEWAY PYLON W/ "ANY LANE ANY TIME" FACE
- 6 PROPOSED 6" YELLOW PAINTED LINE "MERGE POINT"
- (A) EXISTING CONC. CURB TO BE REMOVED
- (B) NEW 6" CONC. CURB
- © EXISTING CONCRETE PAD TO BE REMOVED
- (D) EXISTING CONCRETE WALK TO BE REMOVED
- E EXISTING ELECTRIC TRANSFORMER

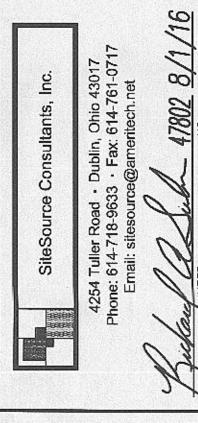


REAR DRIVE THRU AREA DETAIL









L/C # 34-1705

AROC DRIVE

OAK BROOK, ILLINOIS 60521

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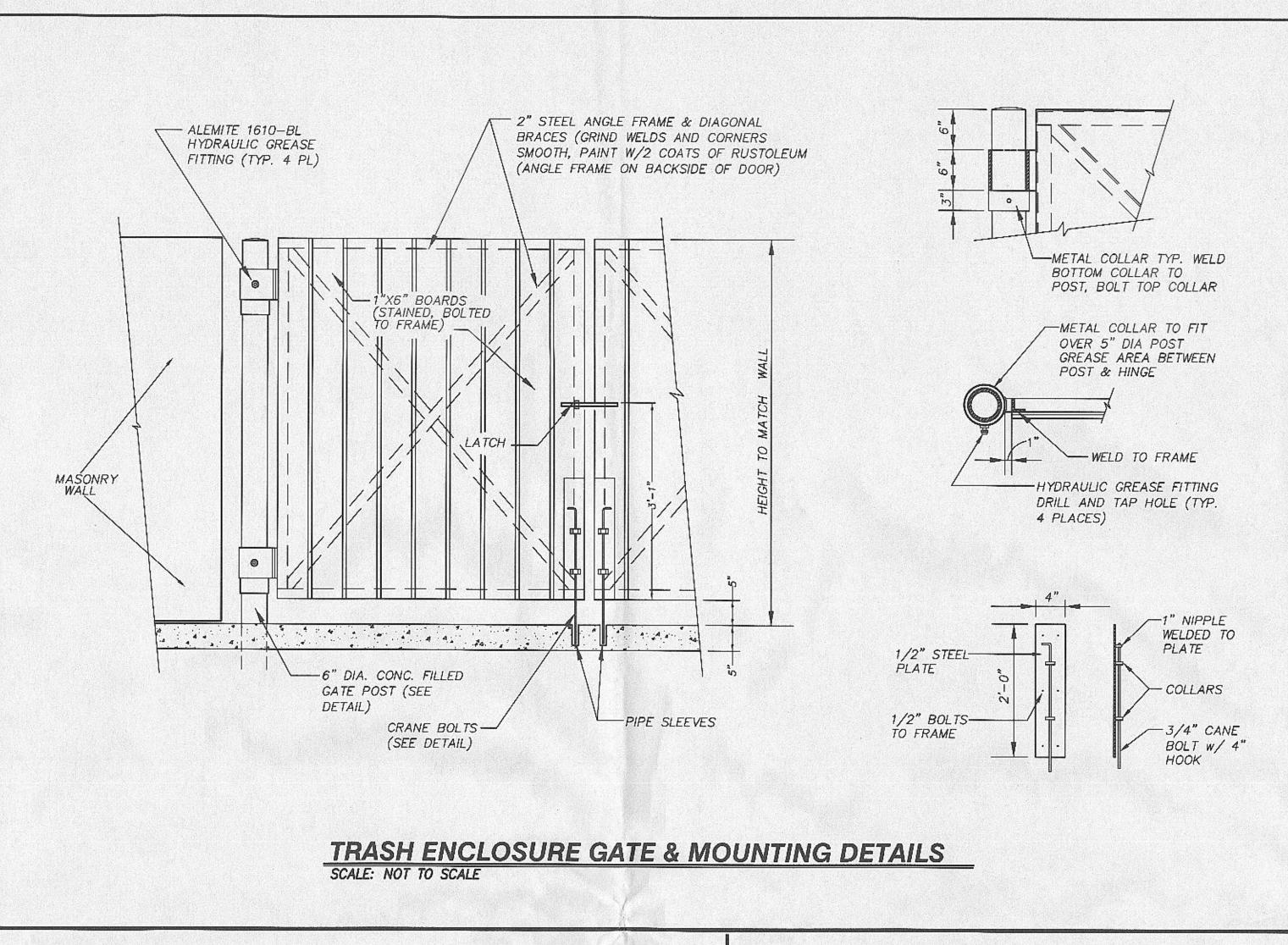
GROVEPORT ROAD GROVE CITY OHIO

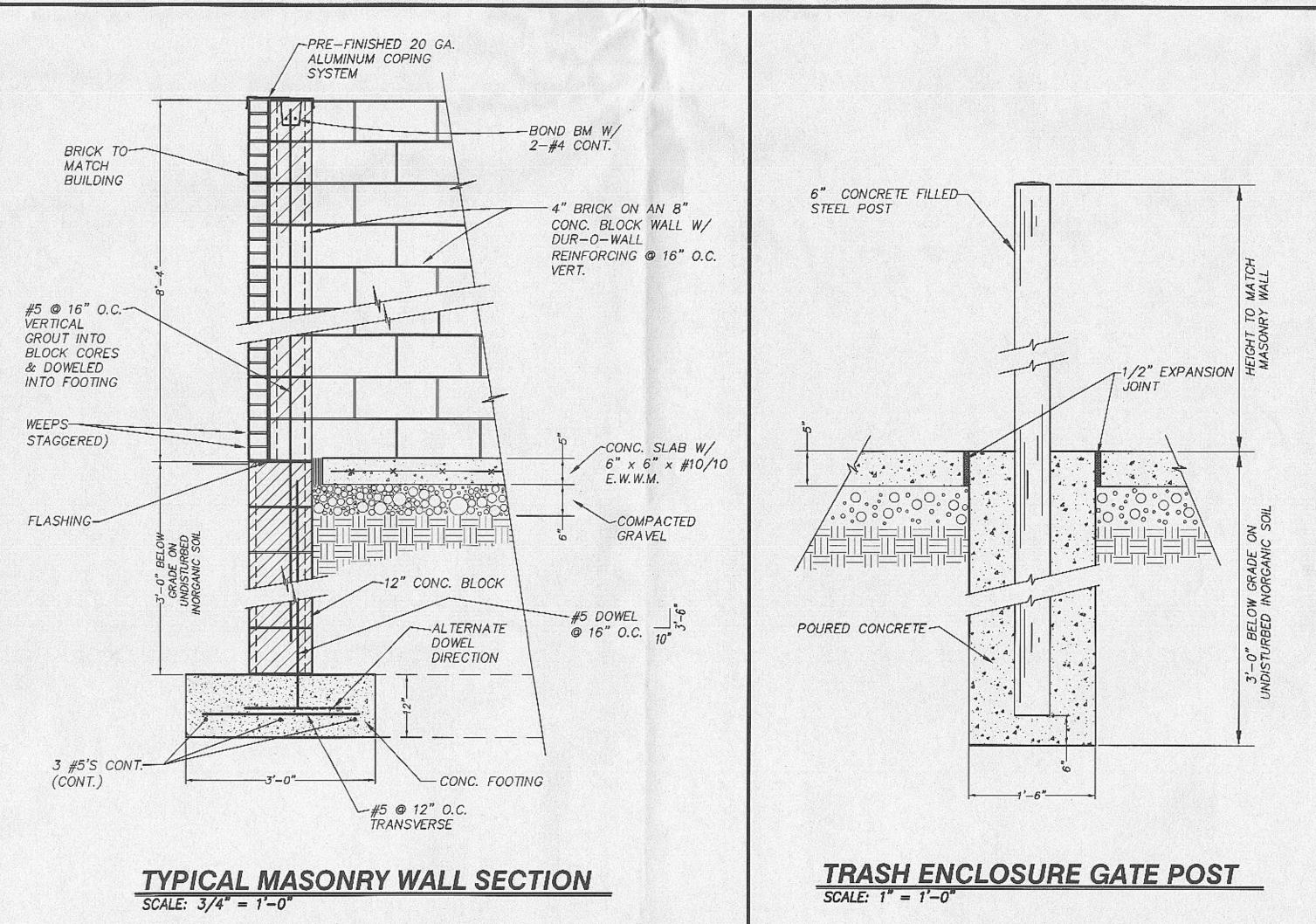
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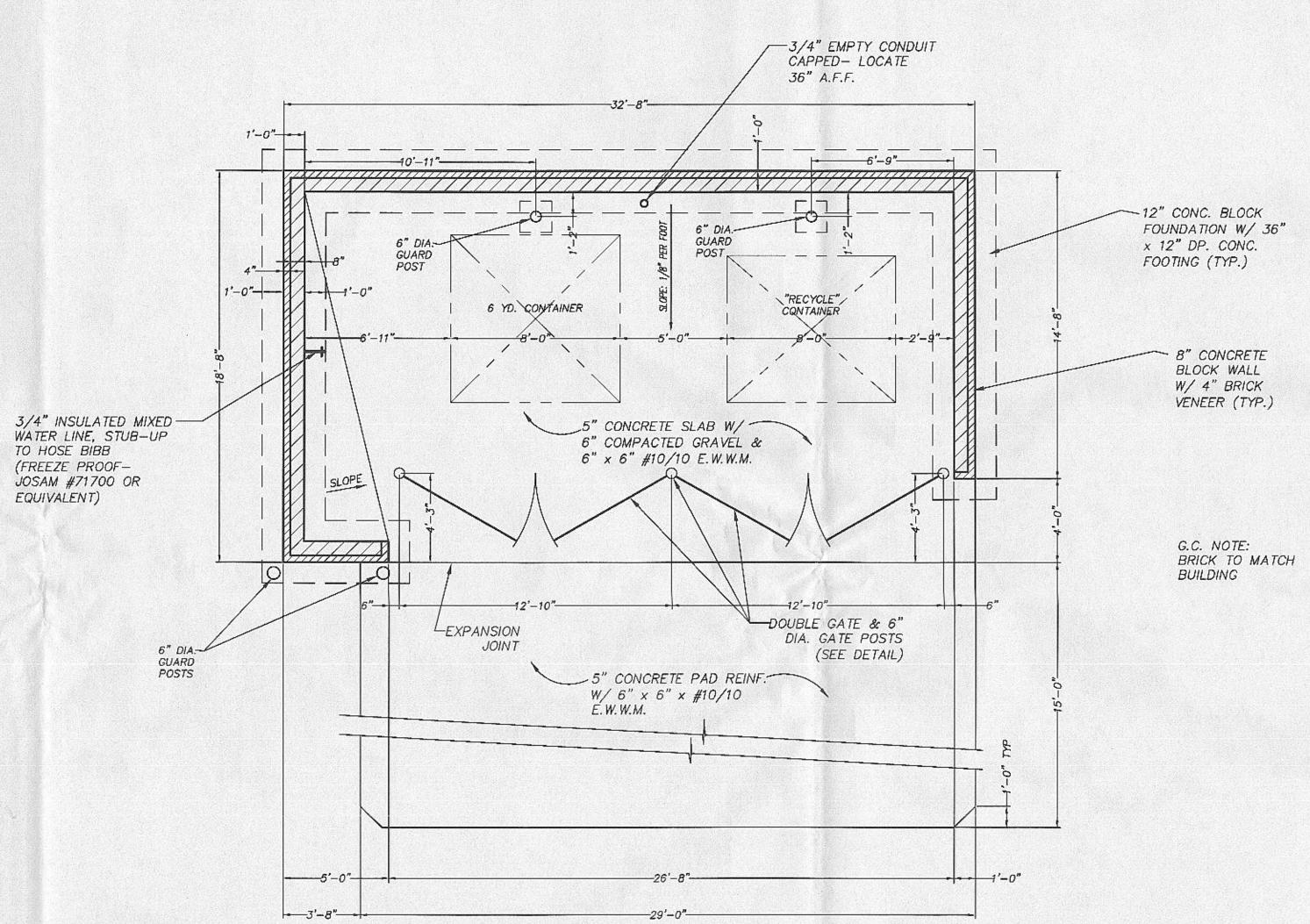
JOB NO. SS016-518

DATE: AUGUST 2016

DRIVE THRU AREA DETAIL







NOTES:

1. VERIFY EXACT POSITION AND ORIENTATION OF TRASH ENCLOSURE WITH SITE PLAN

2. VERIFY FINAL LOCATION AND FINISHES

WITH McDONALD'S ACM PRIOR TO

3. REVIEW SITE PLAN AND GRADING PLAN FOR FINAL FINISH FLOOR ELEVATION AND SLOPES PRIOR TO CONSTRUCTION

CONSTRUCTION START.

L/C # 34-1529 MeDonald's

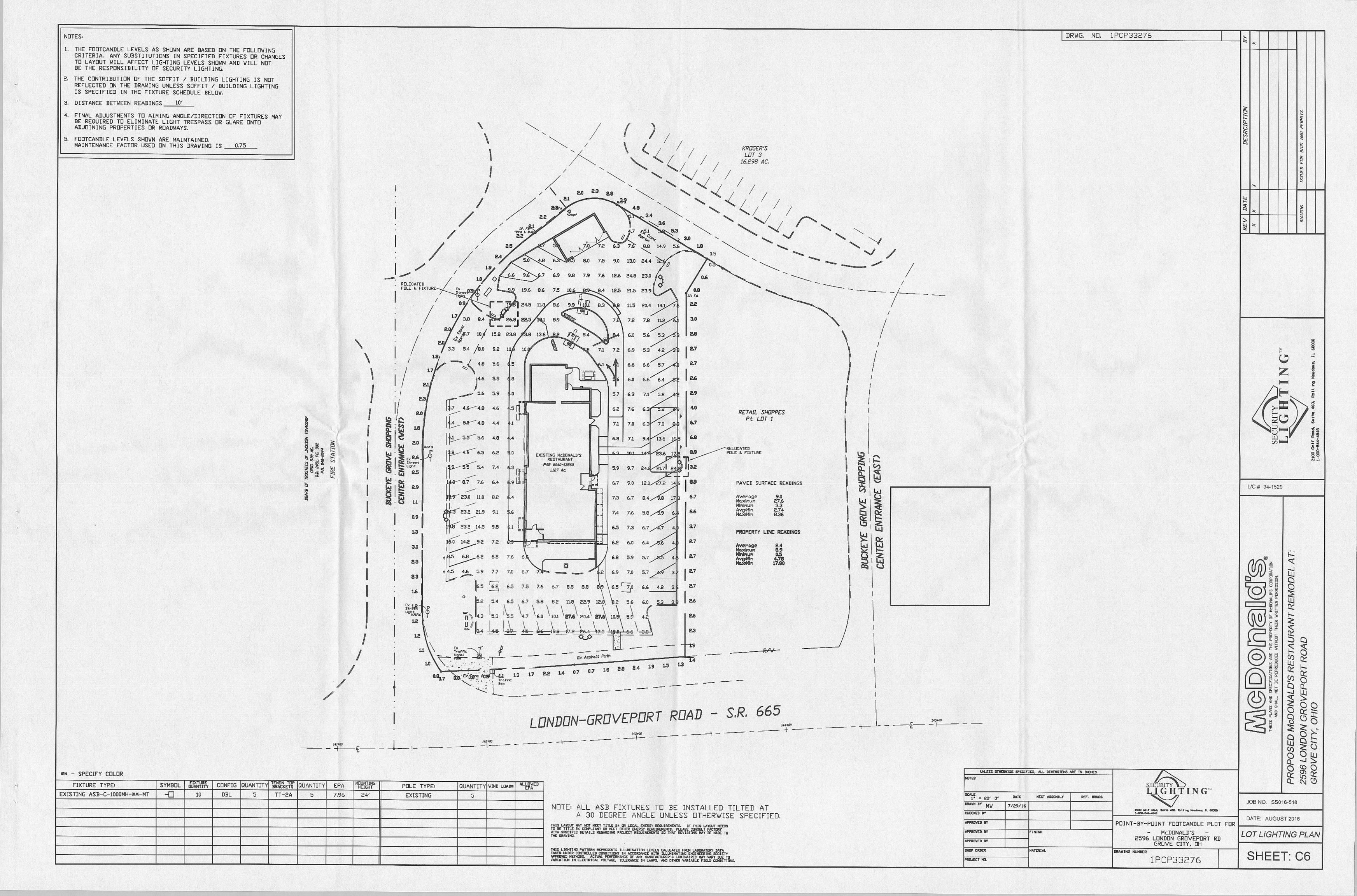
MASONRY TRASH ENCLOSURE PLAN

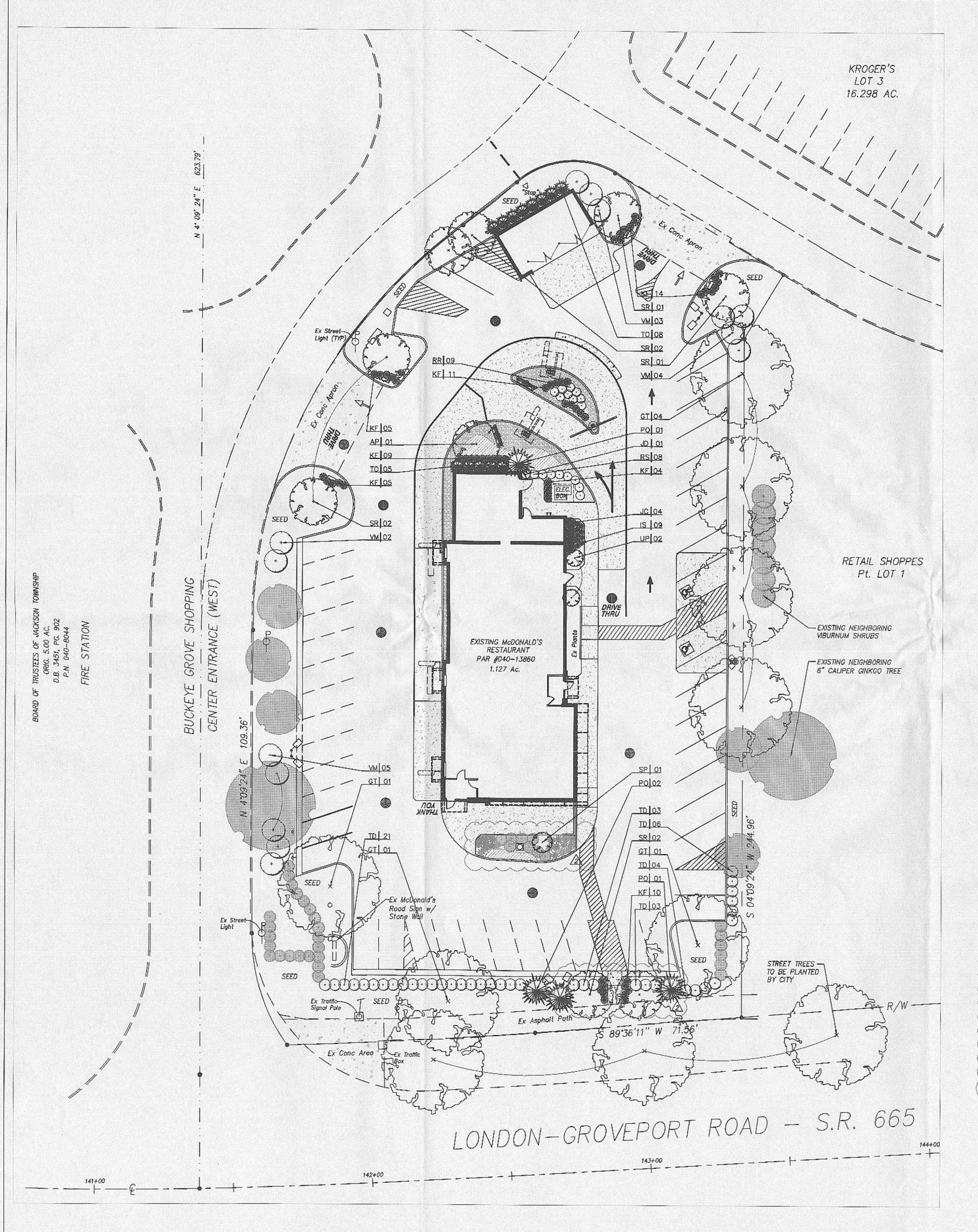
SCALE: 1/4" = 1'-0"

JOB NO. \$\$016-518

DATE: AUGUST 2016

TRASH ENCLOSURE DETAIL





#### LANDSCAPE CALCULATIONS:

GROVE CITY ZONING REQUIREMENTS
SECTION 1136.06 - STANDARDS FOR OFF STREET PARKING FACILITIES

a(2) - REQUIRES A CONTINUOUS 3'-0' EVERGREEN HEDGE AS WELL AS (1) TREE PLANTED FOR EVERY
35' OF FRONTAGE

CALCULATIONS: TOTAL FRONTAGE = 160 FT.

160/35 = 4.57 ---> 5 TREES REQUIRED 6 TREES PROVIDED

b. - REQUIRES (1) 2' CALIPER MEDIUM OR LARGE TREE (OR (2) EVERGREEN TREES OF MIN. 6'
HEIGHT] AND (2) SHRUBS WITH MIN. 18' HEIGHT FOR EVERY 40 LINEAL FEET OF PROPERTY

CALCULATIONS: TOTAL LINEAL FEET OF PROPERTY LINE = 700 700/40 = 17.5 ---> 18 TREES REQUIRED

d. - REQUIRES (1) 2' CALIPER MEDIUM OR LARGE TREE FOR EVERY PENINSULA, ISLAND, AISLE END ISLAND, OR PLANTING AREA

6 TREES EXISTING + 12 TREES PROPOSED = 18 TREES PROVIDED

CODE REQUIREMENT MET

SECTION 1136.08 - SCREENING OF SERVICE STRUCTURES
REQUIRES LANDSCAPING WITH MINIMUM HEIGHT OF 36' WITH A MAXIMUM SPACING OF 5'-0' TO BE
PLANTED ARDUND SERVICE STRUCTURES

ALL SERVICE STRUCTURES SHALL BE SCREENED PER CITY LANDSCAPE CODE 1136.08

ECTION 1136.09 - OTHER PLANTING REQUIREMENTS

SECTION 1136.09 - OTHER PLANTING REQUIREMENTS

a.(2) - REQUIRES (1) TREE FOR EVERY 50 LINEAL FEET OF BUILDING PERIMETER OR FRACTION
THEREOF, SHRUBS MAY BE SUBSTITUTED FOR UP TO 30% OF DECIDOUS TREE REQUIREMENT.

TOTAL LINEAL FEET OF BUILDING PERIMETER = 330
330/50 = 6.6 ---> 7 TREES REQUIRED
5 TREES PROVIDED SUPPLEMENTED BY SHRUB PLANTINGS

SECTION 1136.10 - PRESERVATION OF TREES AND WOODED AREAS

a. - IT IS ENCOURAGED THAT TREES SUBJECT TO DESTRUCTION BE REPLACED WITH NEW TREES

CALCULATIONS: TOTAL TREES REMOVED = 9 TREES TOTAL PROPOSED TREES = 23 TREES

UNDERGROUND UTILITIES

TWO WORKING DAYS

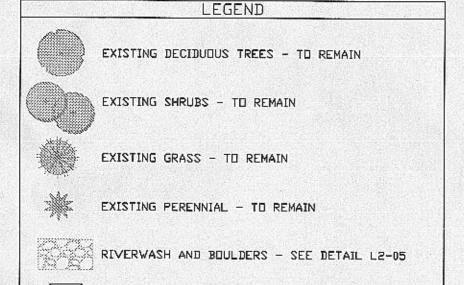
BEFORE YOU DIG

CALL 1-800-362-2764(TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE

NON-MEMBERS

MUST BE CALLED DIRECTLY



#### NOTES

ALL PLANT MATERIALS TO COMPLY WITH THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK BY AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, AND BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM INSTALLATION DATE.

LANDSCAPE CONTRACTOR IS TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES AND RECEIVE APPROVAL FROM GC OR SITE SUPERVISOR, IF NECESSARY, TO MAKE CHANGES IN PLANT LOCATIONS.

MINOR ADJUSTMENTS TO THE PLANT LOCATIONS ARE TO BE MADE IN THE CASE OF ANY CONFLICTS WITH PROPOSED UTILITIES.

PLANT QUANTITIES HAVE BEEN PROVIDED FOR CONVENIENCE ONLY, THE

LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR HIS OWN 'TAKE OFFS',

LANDSCAPE CONTRACTOR MUST COORDINATE WITH GENERAL CONTRACTOR AND

OTHER SITE OPERATIONS,

PLANTING BEDS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE APPLIED AT PRODUCT SPECIFIED RATE UNLESS OTHERWISE NOTED.

BED EDGE SHALL BE SMOOTH, CONSISTENT 4-1/2' DEEP AND HAND CUT. EDGES TO BE LOCATED BETWEEN ALL BEDS (INCL. TREES) AND LAWN

GENERAL CONTRACTOR IS RESPONSIBLE FOR FINISHED GRADES, LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FINE GRADING AND TO PROVIDE 4" OF AMENDED TOPSOIL FOR PLANTING BEDS.

BEDS ARE TO BE GRADED SMOOTH AND FREE OF SOIL CLODS AND STONES. ALL PLANTING BEDS AND FREE STANDING TREES TO BE MULCHED WITH 2' HARDWOOD MULCH AT TIME OF NEW PLANTING, MULCH IS NOT TO BE MOUNDED UP AROUND TRUNKS OF TREES. KEEP MULCH 2' AWAY FROM MAIN STEM OF PLANT OR TRUNK OF TREES. PLANTING BEDS TO BE MAINTAINED WITH NO MORE THAN A 2' MULCH DEPTH MAXIMUM.

PLANTINGS SHALL BE FERTILIZED UPON INSTALLATION, RECOMMENDED FERTILIZER IS TO BE MIXED WITH BACKFILL AT PRODUCT SPECIFIED RATE.

ALL PLANTS ARE TO BE REMOVED FROM CONTAINERS, CAGES, AND NON-BIODEGRADABLE MATERIALS. ALL TREES TO BE STAKED AND WRAPPED WITH ASPHALTIC WRINKLE KRAFT TREE WRAP. TREE WRAP IS TO THEN BE REMOVED AFTER 18 MONTHS.

SEED ALL AREAS INDICATED ON PLAN AND BEYOND PROPERTY LINES

DISTURBED DURING CONSTRUCTION. SEED IS TO BE LOFT'S ATHLETIC FIELD

TURF MIXTURE AT 6# PER 1000 SQ. FEET. APPLY STARTER FERTILIZER AND

MULCH WITH HYDRO MULCH OR PENN MULCH.

IRRIGATION IS REQUIRED ON 75-100% OF THE ENTIRE PROPERTY WITH
EMPHASIS ON AREAS ALONG PRIMARY AND SECONDARY ROADWAYS AND 100%
OF ALL LANDSCAPING AREAS ADJACENT TO THE STRUCTURE.

ALL ORGANIC MATTER AND DEBRIS ARE TO BE REMOVED FROM THE SITE BY
THE LANDSCAPE CONTRACTOR. LAWN AREAS AND BEDS SHOULD BE FREE OF
STONES GREATER THAN 2".

THE LANDSCAPE CONTRACTOR IS TO COORDINATE WITH IRRIGATION CONTRACTOR, AND ALSO WITH SITE SUPERVISOR REGARDING IRRIGATION

INSTALLATION.

IREE PROTECTION NOTE:
ANY TREE TO REMAIN WITHIN CONSTRUCTION LIMITS IS TO BE PROTECTED

AT DRIP LINE, SEE TREE PROTECTION DETAIL.

SURVEY AND BASE INFORMATION, INCLUDING BUT NOT LIMITED TO LOCATION OF PROPERTY LINES, BUILDING, EXISTING VEGETATION OBTAINED FROM SITESOURCE CONSULTANTS, COLUMBUS, OH.

THE LANDSCAPE CONTRACTOR SHALL SUBMIT A DNE (1) YEAR MAINTENANCE CONTRACT FOR CONSIDERATION BY THE OWNER, CONTRACT SHALL BE SEPARATE FROM THE INSTALLATION CONTRACT.

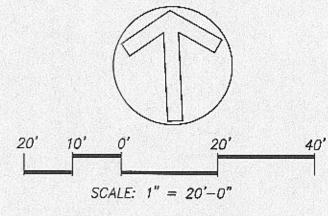
LANDSCAPE CONTRACTOR IS TO NOTIFY MCDONALD'S REPRESENTATIVE AND LANDSCAPE ARCHITECT IN WRITING SHOULD ANY DISCREPANCIES EXIST IN THE PLAN, AND RECEIVE APPROVAL FROM EITHER PARTY TO MAKE CHANGES IN PLANT MATERIAL OR ITS LOCATION.

CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL AS REQUIRED TO INSURE HEALTHY, VIGOROUS GROWTH THROUGH A 90 DAY MAINTENANCE PERIOD. THIS WILL INCLUDE, BUT NOT BE LIMITED TO MOWING, WATERING, FERTILIZING, WEEDING AND MULCHING. ANY DISEASED MATERIALS SHALL BE REVIEWED AND REPLACED WITH SIMILAR TYPES, SPECIES, AND SIZES AS ORIGINALLY PLANTED WITHIN 3 MONTHS, WEATHER PERMITTING.

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FLAG POLE LOCATION

KEY	BOTANICAL NAME	COMMON NAME	D/E	EQTY	SIZE	REMARKS/COMMENTS
	TREES					
AP	ACER PALMATUM 'BLOOD GOOD'	BLOOD GOOD JAPANESE MAPLE	D	1	2*	B+B
SP	ACER PALMATUM DISSECTUM 'VIRIDIS'	GREEN LACELEAF JAPANESE MAPLE	D	1	2'	B+B - SPREADING FORM
UP	ACER PALMATUM DISSECTUM 'VIRIDIS'	GREEN LACELEAF JAPANESE MAPLE	D	2	2"	B+B - UPRIGHT FORM
GT	GLEDITSIA TRIACANTHOS 'SUNBURST'	'SUNBURST' HONEYLOCUST	D	7	2'	B+B
PO	PICEA DMDRIKA	SERBIAN SPRUCE	E	4	6'-7'	B+B
SR	SYRINGA RETICULATA 'IVORY SILK' SHRUBS	'IVORY SILK' JAPANESE TREE LILAC	D	8	3*	B+B, ALT: GOLDEN RAINTREE
JD	ILEX VERTICILLATA 'JIM DANDY'	'RED SPRITE' WINTERBERRY	Ε	1	24'-36'	B+B OR CONTAINER
RS	ILEX VERTICILLATA 'RED SPRITE'	'RED SPRITE' WINTERBERRY	Ε	8	24'-36'	B+B OR CONTAINER
JC	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	Ε	4	24'-36'	B+B OR CONTAINER - TO MATCH EXISTING
RR	ROSA 'RADRAZZ'	'RADRAZZ' KNOCKOUT ROSE	D	9	24'-36'	B+B OR CONTAINER - TO MATCH EXISTING
TD	TAXUS DENSIFOMIS	DENSE YEW	D	37	36*	B+B OR CONTAINER - TO MATCH EXISTING
TO	THUJA OCCIDENTALIS 'TECHNY'	'TECHNY' ARBORVITAE	Ε	13	6'	B+B
VM	VIBURNUM 'MOHAVK' PERENNIALS/GROUND COVER	'MDHAWK' VIBURNUM	D	14	36*	B+B OR CONTAINER
	NEPETA FAASSENII 'WALKERS LOW'	'WALKERS LOW' CATMINT		33	1 GAL.	CONTAINER
21	IRIS SIBERICA 'CAESARS BROTHER'	'CAESARS BROTHER' SIBERIAN IRIS		9	1 GAL.	CONTAINER
KF	CALAMAGROSTIS A. 'KARL FOERSTER'	'KARL FUERSTER' FEATHER REED GRASS		58	1 GAL.	CONTAINER



REV DATE DESRCIPTION
7/26/16 LANDSCAPE PLAN

A 7/29/16 ADDED SEED NOTATION

A 8/22/16 REVISIONS MADE BASED ON GROVE CITY STAFF REVIEW DATED 8/19/16

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Email: siteSource@ameritech.net

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L/C # 34-1529

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ROPOSED MCDONALD'S R 96 LONDON GROVEPORT ROVE CITY, OHIO

JOB NO. SS016-518

LANDSCAPE PLAN

DATE: 7/29/16

SHEET: L1



L/C # 34-1529

JOB NO. SS016-518

DATE: 7/29/16 LANDSCAPE DETAILS

SHEET: L2

